

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 09650/005001		SERIAL NO. 09/136,868									
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))				APPLICANT Ronald P. Knockeart et al.											
				FILING DATE August 19, 1998		GROUP									
U.S. PATENT DOCUMENTS															
EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
	AA	4	7	9	6	1	9	1	01/03/89	Honey et al.					
	AB	5	3	1	1	1	9	5	05/10/94	Mathis et al.					
	AC	5	5	0	4	4	8	2	04/02/96	Schreder					
	AD	5	5	4	3	7	8	9	08/06/96	Behr et al.					
	AE	5	5	5	9	5	5	1	09/24/96	Ito et al.					
	AF	5	5	6	5	8	7	4	10/15/96	Rode					
	AG	5	5	8	7	9	1	1	12/24/96	Asano et al.					
	AH	5	6	1	2	8	8	1	03/18/97	Moroto et al.					
	AI	5	6	4	2	1	0	6	06/24/97	Hancock et al.					
	AJ	5	8	7	5	4	1	2	02/23/99	Sulich et al.					
	AK														
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION															
		DOCUMENT NUMBER							PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION		
													YES	NO	
	AL	WO 96/07110							03/07/96	PCT					
	AM	EPO 379 198 A							07/25/90	Europe					
	AN														
	AO														
	AP														
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)															
	AQ	Abstract: Publication No. 63300399, Publication Date: 07/12/88, Title: Navigation System													
	AR														
	AS														
EXAMINER										DATE CONSIDERED					
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.															

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 09650-005001	Application No. 09/136,868
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Ronald P. Knockeart et al.	
		Filing Date August 19, 1998	Group Art Unit

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,563,607	10/08/96	Loomis et al.	342	357	
	AB	5,539,645	07/23/96	Mandhyan et al.	364	438	
	AC	5,334,986	08/02/94	Ferhout	342	357	
	AD	5,243,528	09/07/93	Lefebvre	364	449	
	AE	5,072,395	12/10/91	Bliss et al.	364	443	

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AF	96/21193	07/11/96	WO				
	AG	96/00373	01/04/96	WO				
	AH	0 786 646 A2	07/30/97	Europe				
	AI	0 354 684	02/14/90	Europe				
	AJ	0 349 652	01/10/90	Europe				
	AK	41 39 581 A1	06/03/93	Germany				
	AL	43 00 927 A1	07/21/94	Germany				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
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	AO	
	AP	
	AQ	

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	Applicant Ronald P. Knockeart et al.		
	Filing Date August 19, 1998	Group Art Unit 3662	

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Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4733356	03/22/88	Haeussermann, et al.			
	AB	4954958	09/04/90	Savage, et al.			
	AC	5025261	06/18/91	Ohta, et al.			
	AD	5043902	08/27/91	Yokoyama, et al.			
	AE	5172321	12/15/92	Ghaem, et al.			
	AF	5239700	08/24/93	Guenther, et al.			
	AG	5278759	01/11/94	Berra, et al.			
	AH	5311434	05/10/94	Tamai			
	AI	5323321	06/21/94	Smith			
	AJ	5452212	09/19/95	Yokoyama, et al.			
	AK	5475599	12/12/95	Yokoyama, et al.			
	AL	5515284	05/07/96	Abe			
	AM	5610821	03/11/97	Gazis, et al.			
	AN	5635953	06/03/97	Hayami, et al.			
	AO	5648768	07/15/97	Bouve			
	AP	5648769	07/15/97	Sato, et al.			
	AQ	5651056	07/22/97	Eting, et al.			
	AR	5659476	08/19/97	LeFebvre, et al.			
	AS	5794164	08/11/98	Beckert, et al.			
	AT	5808566	09/15/88	Behr, et al.			
	AU	5922041	07/13/99	Anderson			
	AV	5924075	07/13/99	Kanemitsu			
	AW	5938721	08/17/99	Dussell, et al.			
	AX	5951620	09/14/99	Ahrens, et al.			
	AY	5959577	09/28/99	Fan, et al.			
	AZ	6070124	05/30/00	Nimura, et al.			
	AAA	6124826	09/26/00	Garthwaite, et al.			

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ABB	6131064	10/10/00	Vieweg			
	ACC	6216086	04/10/01	Seymour, et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
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	Applicant Ronald P. Knockeart et al.		
	Filing Date August 19, 1998	Group Art Unit 3662	

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Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Dat If Appropriate
	AA	5,559,707	09/24/96	DeLorme et al.			
	AB	5,638,280	06/10/97	Nishimura et al.			
	AC	5,774,824	06/30/98	Streit et al.			
	AD	5,802,492	09/01/98	DeLorme et al.			
	AE	5,848,373	12/08/98	DeLorme et al.			
	AF	5,862,500	01/19/99	Goodwin			
	AG	5,948,040	09/07/99	DeLorme et al.			
	AH	6,009,403	12/28/99	Sato			
	AI	6,032,089	02/29/00	Buckley			
	AJ	6,075,467	06/13/00	Ninagawa			
	AK	6,076,041	06/13/00	Watanabe			
	AL	6,141,609	10/31/00	Herdeg et al.			
	AM	6,249,767	06/19/01	Okayama et al.			

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							Yes	No
	AN	0 317 181 B1	05/24/89	Europe				
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Other Documents (include Author, Title, Date, and Place of Publication)

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Notice of References Cited

Application No.

09/136868

Applicant(s)

KNOCKEART ET AL

Examiner

T. BLUM

Group Art Unit

3662

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B						
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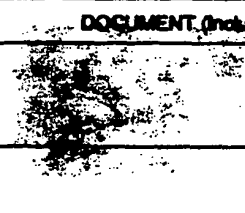
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NON-PATENT DOCUMENTS

*		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
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* A copy of this reference is not being furnished with this Office action.
(See Manual of Patent Examining Procedure, Section 707.05(a).)

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			Examiner T. BLUM		Group Art Unit 3662	
Page 1 of 1						
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B	5364093	11-15-94	HUSTON ET AL		—	—
C	5955973	9-21-99	ANDERSON		340	988
D	5394333	2-28-95	KAO		340	990
E	5243528	9-7-93	LEFEBVRE		340	988
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(See Manual of Patent Examining Procedure, Section 707.05(a).)

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	Examiner Theodore M. Blum	Art Unit 3662	Page 1 of 1

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	B	US-5,802,492	09-1998	DeLorme et al 	701/200
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
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	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
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	P					
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	R					
	S					
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NON-PATENT DOCUMENTS

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Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.